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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: June 17, 2003, 16:25:00 ; Search time 151.752 Seconds  
(without alignments)  
10334.327 Million cell updates/sec

Title: US-09-807-933B-6  
Perfect score: 1083  
Sequence: 1 atgagatcctaccattgc.....ctggctgtcagaataaa 1083

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 1029858 seqs, 724030393 residues

Total number of hits satisfying chosen parameters: 2059716

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:  
1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOM3.seq:\*  
2: /cgn2\_6/ptodata/1/pubpna/BCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOM3.seq:\*  
5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
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14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOM3.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	218.2	20.1	1473	10	US-09-735-787-3
2	205.4	19.0	1423	9	US-10-007-521-9
3	181	16.7	1174	9	US-10-007-521-11
4	178.2	16.5	927	9	US-10-007-521-5
5	178	16.4	960	9	US-10-007-521-1
6	177	16.3	894	9	US-10-007-521-3
7	171.8	15.9	1261	9	US-09-261-329-23
8	170.2	15.7	913	9	US-10-007-521-13
9	168.4	15.5	885	9	US-10-007-521-23
10	161.8	14.9	1060	10	US-09-735-787-1
11	161.6	14.9	1132	9	US-10-007-521-21
12	161.6	14.9	1154	9	US-10-007-521-7
13	159.8	14.8	808	9	US-10-007-521-15
14	158.4	14.6	1031	9	US-10-007-521-19
15	158.4	14.6	1048	9	US-10-007-521-17
16	131.8	12.2	425	9	US-10-007-521-25
17	75.4	7.0	936	7	US-08-841-636A-30
18	71	6.6	1635	10	US-09-864-761-20241
19	71	6.6	1973	10	US-09-864-761-3471

C 20	70.2	6.5	1075	10	US-09-864-761-19241	Sequence 19241, A
C 21	69	6.4	1403	10	US-09-864-761-2513	Sequence 2513, Ap
C 22	64.4	5.9	479	10	US-09-864-761-768	Sequence 768, Ap
C 23	64.4	5.9	830	10	US-09-864-761-19531	Sequence 19531, A
C 24	61.8	5.7	446	10	US-09-864-761-20699	Sequence 20699, A
C 25	60.4	5.6	159	9	US-10-007-521-71	Sequence 71, Appl
C 26	60.4	5.6	225	9	US-10-007-521-31	Sequence 425, App
C 27	59.2	5.5	1671	10	US-09-801-368-425	Sequence 2885, Ap
C 28	56.8	5.4	436	10	US-09-864-761-2885	Sequence 33, Appl
C 29	56.8	5.2	177	9	US-10-007-521-13	Sequence 6, Appl
C 30	56.2	5.2	155074	9	US-10-026-188-6	Sequence 340, App
C 31	55.6	5.1	476	10	US-09-864-761-6	Sequence 342, App
C 32	55.2	5.1	867	10	US-09-216-393-340	Sequence 343, App
C 33	55.2	5.1	867	10	US-09-216-393-342	Sequence 345, App
C 34	55.2	5.1	1397	10	US-09-216-393-343	Sequence 336, Ap
C 35	55.2	5.1	1397	10	US-09-216-393-345	Sequence 336, Ap
C 36	54.4	5.0	401	10	US-09-864-761-3936	Sequence 51, Appl
C 37	53.2	4.9	171	9	US-10-007-521-51	Sequence 16846, A
C 38	53	4.9	249	10	US-09-864-761-16846	Sequence 2765, Ap
C 39	53	4.9	1988	10	US-09-864-761-2765	Sequence 19481, A
C 40	51.4	4.7	180	9	US-10-007-521-41	Sequence 41, Appl
C 41	50.8	4.7	4614	10	US-09-801-368-103	Sequence 103, App
C 42	50.8	4.7	205	10	US-09-864-761-19666	Sequence 19666, A
C 43	50.4	4.7	1800	10	US-09-822-849A-1	Sequence 1, Appl
C 44	50.4	4.7	1800	10	US-09-822-849A-1	Sequence 13, Appl
C 45	49.8	4.6	2150	10	US-09-826-752-13	

#### ALIGNMENTS

RESULT 1  
US-09-735-787-3  
Sequence 3, Application US/09735787  
Patent No. US20010036910A1

GENERAL INFORMATION:  
APPLICANT: Rasmussen, Grethe  
Schleien, Martin  
Parker, Shankant A.  
Hagen, Fred  
TITLE OF INVENTION: A Cellulase Preparation Comprising an Endoglucanase Enzyme  
NUMBER OF SEQUENCES: 33  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20010036910A1 No. US20010036910A1disk of No. US200100369  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/735,787  
FILING DATE: 13-Dec-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/189,028  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambirth, Eliae J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 3469,214-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1473 base pairs

TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Fusarium oxysporum  
STRAIN: DSM 2672  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 97..1224  
SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
US-09-735-787-3

Query Match 20.1%; Score 218.2; DB 10; Length 1473;  
Best Local Similarity 63.0%; Pred. No. 5.9e-58;  
Matches 394; Conservative 0; Mismatches 213; Indels 18; Gaps 3;  
449 GTGTGCTCCCGGTAAATGTTGAACCACTGCTACTGAGATTGTGTAAAGCTTTGCA 508  
143 GTGTGCTTTCTGGAAGCGGTCACTTACTGATGAGATTGCTCAAGCTTTCTGCT 202  
509 GTTGCCCGGTGAGGCTGATGTCACCTCCCTGTTGCTTCTTAACAAGATGTTAA 568  
203 CTTGAGCGGAAGAGCTGCTGTCAACGCCCTGCTTTAACTTGATTAAGAACAGAC 262  
569 CTCTTGCTGATTAACAACACTCAAAAGCGTGT--GTTGTTGTTAGACAGTACCTGTA 625  
263 CCAATTCACACCAATCTCTCAACGTTGTAGGGTGTGTTGCTTATGCTTGA 322  
626 ATGACAAATCAACCTTGGTGTGTAAGCAAGCACTTGGCTTACGCTGCTTCA 685  
323 CCAATCACTCTCCGCGCTGTCAACGATGCTTGAAGTTGCTGCTCAACAGA 382  
686 TTTCTGTGTGAGCGAAGCTACTTGGTGTGCTGCTTGAACCTCACTCA 745  
383 TCTCCGTTGCTCCAGGCGAGCTGTGTGTGCTGCTTATGCTTCACTTCA 442  
746 CTGCGGTCAAGGTTAAGAGATGTTGTTCAAGTAACTGCTTGAAGCTTGGCT 805  
443 GCCCGGTCAAGGCAAGAGATGATGCTCAGTCCACCAACACTGAGAGTATTC 502  
806 CTAAACATGCTGCTCACTTTGACTTGAAGTCCGCGTGTGTTGTTGATCTTA 865  
503 ACAAC-----CACTTGATCTGATGATGCTCCGCGGTGTGTGCTTCA 553  
866 GTTGTGCACTCAATGAGGTTGCTCCACCGATGTTGGGTGCAAGATAGCGCGT 925  
554 GCTGCACTTGTAGTTGCG-----CAAGGCTCTCGGCGGTGCCAGTACGGCG 607  
926 CTCTGCTCTGACTGTTTCTTAACCTTCTTGTGCTTCAAGCTGTTGTAAGTGA 985  
608 CTTCCCGAAGCGATGATGATGCTACCCGAGCTTCTCAAGAGCGTTGCCACT 667  
986 TCGGCTGTTCAAAAAGCTGATTAACCAACATGACCTTCAAAAGTACTTCCCA 1045  
668 TCGACTGTTGAGAGAGCGGAGAACCTTCACTTGTGAGCGTTCAAGTCCCA 727  
1046 AGGCTATCACTGCCAAGTCTGCTG 1070  
728 AGGCTCTCTCGACATCATGAGATG 752

RESULT 2  
US-10-007-521-9  
Sequence 9, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schulein, Martin  
Aderesen, Lene N.  
Laasen, Soren F.  
Kauppinen, Markus S.

Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESS: No. US20030054539A10 No. US20030054539A1disk of No. US200300545  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996

ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1423 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 110..1156  
SEQUENCE DESCRIPTION: SEQ ID NO: 9:

US-10-007-521-9  
Query Match 19.0%; Score 205.4; DB 9; Length 1423;  
Best Local Similarity 60.9%; Pred. No. 6.2e-54;  
Matches 376; Conservative 0; Mismatches 226; Indels 15; Gaps 2;  
454 GCCTCGGTATGATGTTGAACCACTGCTACTGAGATTGTTGTAAGCTTGTGAGTTGG 513  
170 GCTTGGGCAAGGCAACACACCCGCTACGAGATTGCTGCAAGACTTCTTGGCATGG 229  
514 CCGGTGAAGCTGATGATGCTACCTCCCTGTTGGCTCTGTAAACAAGATGTTAGACTTT 573  
230 GAAGGCAAGCAATCGCTCTCCAGAGCTGTCTGACTGTAAACAAGAGCAACACCATC 289  
574 GCTGATTAACAACACTCAAAAGCGTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 633  
290 GTGATGCAAGCGCAAGACCGGCTGCGACGGCGGGCGGCAATTTGCTGTTCAACAT 349  
634 CAACCTTGGTTTGTGAGACAGACCTGCTACGGTTTGGCCGCTTCAATTTCTGTT 693  
350 TCCCTTGGGCGGTGAGCGAGAGCTGCTTACAGATTGTTGCTGCAACAGCCCTCAGCG 409  
694 GTAGCAAGCTACTTGTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 753  
410 GGACTAGAGGAGAGCTGTGCTGCGGTGTTAGCCATCAATTAACAGAGTGGCTGTG 469  
754 AAGGTAAAGAGATGTTGTTCAAGTAAACAACACTGTTTCAAGCTTCAACT 813  
470 GCTGGCAAGAGATGTTGTTCAAGTCAACAGACAGGAGGAGGAGTCTGTCAACAC--- 526



## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366,200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 927 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..924  
SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
US-10-007-521-5

Query Match 16.5%; Score 178.2; DB 9; Length 927;  
Best Local Similarity 57.7%; Pred. No. 1.7e-45;  
Matches 362; Conservative 0; Mismatches 253; Indels 12; Gaps 2;

456 CTCGGGTATGTTGTAACCACTGGCTGAGATTGTTGTAAGCTTTCTTGCAGTTGGCC 515  
60 CTGGGCACTGGCCAGACGACCCGGTACGGTCTGCTGCAAGAGAGCTGGCTGGCC 119  
516 CGTTAAGCTGATGTCACCTCCCTGTTGGCTCTCTTGAACAAGATGTAAGACTTTGC 575  
120 CGGCAAGAGGCCCTGCTGTCGGATGACAGGCTCCGACAAAGACCAACCCGCTCAACA 179  
576 TGATAACAACACTGAAACGGCTG---TGTGTTGTTAGTACAGTACCTGTAAATGACA 632  
180 CGCGGCTCCACCGGCTGCGGCTGCGACGCGGCGGCAAGCTTACATGCTCTCTCCCA 239  
633 TCAACCTTGGTGTGTTGACGACCTGTTGCTTACAGTTTCCGCTGCTTCTTGG 692  
240 GAGCCCTGGCGGCTGACGACGAGCTGTGTGACGGCTGGGCGGCTGCAAGCTGCGG 299  
693 TGTAGCGAAGCTATGTTGTTGTTGCTGTTTGAACACATTCACCTTACTGCGCT 752  
300 CAGCTCCAGTGGCAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 359  
753 CAAGGTATGAGATGTTGTTGAATGTAACCACTGTTGTTGCTGCTGCTGCTGCTGCTG 812  
360 CGCGGCAAGAGATGATGTGACAGGACCAACACCGGTGCGGCTGGGCGGCAAC-- 417  
813 TGTGTCTACTTGACTTGAATGCGCGGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 872  
418 -----CAGTTTGACTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 470  
873 CACTGATGAGGTGCTCCCAACGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 932  
471 CCACAGTATGAGCGCTGCTCCCAACGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 530  
933 CTCTGATGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 992  
531 GGAAGATGCGATCTTCCGAGAGGCTTCAAGCCGCTGCTGCTGCTGCTGCTGCTGCTG 590  
993 GTTCAAAAGCTGATTAACCAACATGACCTTCAAAAGTTACTGTTCCAAAGCTAT 1052

DB 591 GTTCAAAAGCTGATTAACCAACATGACCTTCAAAAGTTACTGTTCCAAAGCTAT 650  
QY 1053 CACTGCAAGTGTGGCTGTTCAAGAAA 1079  
DB 651 CAGTCAAGAGCGCTGCTCCGTTAA 677

RESULT 5  
US-10-007-521-1

Sequence 1, Application US/10007521  
Publication No. US20030054539A1

## GENERAL INFORMATION:

APPLICANT: Schuelein, Martin  
Andersen, Lene N.  
Laessen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1 Endoglycanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESSES:  
ADDRESSES: No. US20030054539A1 No. US20030054539A1disk of No. US200300545  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401

## COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366,200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655

## INFORMATION FOR SEQ ID NO: 1:

SEQUENCE CHARACTERISTICS:  
LENGTH: 960 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 113..787

SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-10-007-521-1

Query Match 16.4%; Score 178; DB 9; Length 960;  
Best Local Similarity 57.6%; Pred. No. 2.1e-45;  
Matches 363; Conservative 0; Mismatches 255; Indels 12; Gaps 2;

456 CTCGGGTATGTTGTAACCACTGGCTGAGATTGTTGTAAGCTTTCTTGCAGTTGGCC 515  
DB 172 CTGGGCACTGGCCAGACGACCCGGTACGGTCTGCTGCAAGAGAGCTGGCTGGCC 231  
QY 516 CGTTAAGCTGATGTCACCTCCCTGTTGGCTCTCTTGAACAAGATGTAAGACTTTGC 575  
DB 232 CGGCAAGAGGCCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 291

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Qy 576 TGATAACAACATCAAAACGGCTG---TGTTGTGTAGACCTACCTTAATGACAA 632
Db 292 CGGGGGCTCCACCGGCTCCGCTCGACGCGGGGCGAGCCCTACATGCTCTCTCCA 351
Qy 633 TCAACCTTGGTGTGTAAGCAACCTTGCCTACGGTTTCGCGCTGCTTCATTTCTG 692
Db 352 GAGCCCTGGGCGCTGACGACGAGCTGTCTACGGCTGGGCGCGCTCAAGCTCGCGG 411
Qy 693 TGTGAGGAAAGCTACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 752
Db 412 CAGTCCGAGTCCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 471
Qy 753 CAAGGCTAAGAAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 812
Db 472 CGCGGGCAAGAAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 529
Qy 813 TGTGTCTACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 872
Db 530 -----CACTTGTACTGTGCGCATCCCGGTGGCGGTGTGTGTGTGTGTGTGTGTGT 582
Qy 873 CACTCAATGGGCTGTCCACCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 932
Db 583 CGACCAAGTACGGCGCTCTCCCGAAAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 642
Qy 933 CTGTGACTGTCTTAACCTTCTTCTGCGCTTCAAGCTGTGTGTGTGTGTGTGTGTGTGT 992
Db 643 GAAAGAGTGCATTCCTTCCGAGGCGCTCAAGCGCGCTGCACTTGTGTGTGTGTGTGT 702
Qy 993 GTTCAAAAACGCTGATATACCAACCATGACCTTACAAACAACTTGTGTGTGTGTGTGT 1052
Db 703 GTTCAAAAACGCTGATATACCAACCATGACCTTACAAACAACTTGTGTGTGTGTGTGT 762
Qy 1053 CACTGCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1082
Db 763 CACGTCCAAAGCGCGTGTCTCCGTTAAGA 792

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## RESULT 6

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US-10-007-521-3
; Sequence 3, Application US/10007521
; Publication No. US20030054539A1
; GENERAL INFORMATION:
; APPLICANT: Schuelein, Martin
; Andersen, Lene N.
; Lassen, Soren F.
; Kauppinen, Markus S.
; Lange, Lene
; Nielsen, Ruby I.
; Ihara, Michiko
; Takagi, Shinichi
; TITLE OF INVENTION: No. US20030054539A1e1 Endoglycanases
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESS: No. US20030054539A1e No. US20030054539A1disk of No. US200300545
; STREET: 405 Lexington Avenue, 64th Floor
; CITY: New York
; STATE: New York
; COUNTRY: United States of America
; ZIP: 10174-6401
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/007,521
; FILING DATE: 10-Dec-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/651,136
; FILING DATE: 21-MAY-1996
; ATTORNEY/AGENT INFORMATION:

```

```

; NAME: Lambiris, Elias J.
; REGISTRATION NUMBER: 33,728
; REFERENCE/DOCKET NUMBER: 4366,200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-867-0123
; TELEFAX: 212-878-9655
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 894 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..891
; SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-007-521-3

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Query Match 16.3%; Score 177; DB 9; Length 894;
Best Local Similarity 57.8%; Pred. No. 4,1e-45;
Matches 359; Conservative 0; Mismatches 250; Indels 12; Gaps 2;

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Qy 456 CTCCGTAATGTGTAACCAACCTGCTACTGCGATTTGTGAAGCTTCTTGCACTTGCC 515
Db 60 CTGCGGATCGGCGACAGACCGGTAAGTGTGGAATGTGCAAGCGAGCTGCGCTGGCC 119
Qy 516 CGGTAAAGCTGATGATCACTTCCCTGTGGCTCTCTGTAAACAAGATGTAAGACTTTGC 575
Db 120 CGGCAAGGCGCCCTGCTCTCGGTGACGCGCTGTGACAAAGAACCAACCGCTCAACGA 179
Qy 576 TGATAACAACATCAAAACGGCTG---TGTTGTGTAGACCTACCTTAATGACAA 632
Db 180 CGGGGCTCCACCGGCTCGGCTGTGACAGCGGGGCGAGCGCTTACATGCTCTCTCCA 239
Qy 633 TCAACCTTGGGTTGTGACGACGACCTTGTGCTTACGTTTGTGCGCTGCTTCAATTTCTG 692
Db 240 GAGCCCTGGGCGCTGACGACGACGAGCTGTGTACGGCTGGGCGCGCTCAAGCTGCGCG 299
Qy 693 TGTGAGGAAAGCTACTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 752
Db 300 CAGCTCCGAGTCCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 359
Qy 753 CAAGGCTAAGAAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 812
Db 360 CGCGGGCAAGAAAGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 417
Qy 813 TGTGTCTCACTTGTGCTTGTGCAATGCTGCTGTGTGTGTGTGTGTGTGTGTGTGTGT 872
Db 418 -----CACTTGTACTGTGCGCATCCCGGTGGCGGTGTGTGTGTGTGTGTGTGTGT 470
Qy 873 CACTCAATGGGCTGTCCACCGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 932
Db 471 CGACCAATGAGCGGCTCTCCCGAAAGCTGTGGGCGACCGCTACCGCGCATCTTCCAA 530
Qy 933 CTGTGACTGTCTTAACCTTCTTGTGCGCTTCAAGCTGTGTGTGTGTGTGTGTGTGTGT 992
Db 531 GAAAGAGTGCATCTTCCCGAGGCTCTCAAGCCGCGCTGCACTGACCTTGTGACTG 590
Qy 993 GTTCAAAAACGCTGATATACCAACCATGACCTTACAAACAACTTGTGTGTGTGTGTGT 1052
Db 591 GTTCAAAAACGCTGATATACCAACCATGACCTTACAAACAACTTGTGTGTGTGTGTGT 650
Qy 1053 CACTGCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1073
Db 651 CACGTCCAAAGCGCGTGTCTC 671

```

## RESULT 7

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US-09-261-329-23
; Sequence 23, Application US/09261329
; Publication No. US20030092097A1
; GENERAL INFORMATION:

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Query Match	15.9%;	Score 171.8;	DB 9;	Length 1261;
Best Local Similarity	57.7%;	Pred. No. 2.2e-43;		
Matches 355; Conservative	0;	Mismatches 242;	Indels 18;	Gaps 21

[illegible]

RESULT 8  
US-10-007-521-13  
; Sequence 13, Application US/100075212  
; Publication No. US20030054539A1  
; GENERAL INFORMATION:

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	Query Match	15.7%;	Score 170.2;	DB 9;	Length 913;
	Best Local Similarity	57.7%;	Pred. No. 5,7e-3;		
	Matches 370;	Conservative 0;	Mismatches 253;	Indels 18;	Gaps 3
Qy	446	CTGGGCGGCTCCGGTATGTGTGAACCAACTCGCTACTGGATGTTGTAGCCTTCTT			505
Db	84	CTGGCACTGAAGCACTAGACGGCGGTGAACAACAGATGACTGGACCTGCGAAGCCGCTTT			143
Qy	506	CGAAGTGGCCCGGTATGAGCTGATGCACTCCCTCTGTGGCTCTGTGAACAAGATGTA			565
Db	144	GTGCTTGGACGGGCAAGCATCCGTTCTTCAAGCCCGATCGGAACCTGGCACTCAAGACA			203
Qy	566	AGACCTTTGTCTATACAACTCAAAACG---CTGTGTGGTGTAGCGCTCAACCT			622
Db	204	AGCCCAACGCCGAGCATCTGCTCAGATGTCCTGTATGCGGACAGCCCTTACTACT			263
Qy	623	GTATGACATCAACTCTGGTGTGTGTAGCGACGACTTGCCTACGGTTTGCCCGCTGTT			682
Db	264	GGAGCAACAGGAGCCCATGGCCGTGAGACACAGCCCTTCTACAGGCTTGCTGCGGCA			323
Qy	683	CCATTTCTGTGTGACGAGGCTACTTGTGTGTGTGTCGCTGTTTGCAGACTCATTAACCT			742
Db	324	AGCTGTCCGGAAAGCGAGACTAATTTGGTGTGTGTGCTGTACAAAGTCACTCACTT			383



QY 743 CTACTGCGTCAAGGTAAGAAGTGTGTTCAAGTAACCAACGTTCTGACCTTG 802  
 Db 384 CCACCGCGGTTCCGGCAAGTAATGTGCAATCACAACACGGGCGGCACTCG 443  
 QY 803 GCTTAACTGCTGCTCACTTTGACTTGCAAAATGCCGGTGTGTGTGTATCTACA 862  
 Db 444 GCAACAC-----CACTTGACATGCGATGCGGGGCGGCGCTGCACTTTCA 494  
 QY 863 ATGTTGTGCACTCAATGGGGTGTCTCCACCGATGTGTGGGTGCAAGATACGGCGTG 922  
 Db 495 ACGGCTGCTCCAGCAATGAGAACCGCATCA-----TCTGGCAACCAAGTATGGCGCT 548  
 QY 923 TTCTTCTGCTGCTGACTGTTCTAACTTCTTCTTCTGCTTCAAGCTGTGTAGTGA 982  
 Db 549 TCATGACCGCTCCCAATGTGCGACGCTCCGCTCAAGTGGCAGGCGCACTGCACTGCG 608  
 QY 983 GATTGCGTGTTCAAAACGCTGATTAACCAACCATGACCTTCAAAACATGCTGTC 1042  
 Db 609 GCTTGAAGTGTGAGATGCGACCAACCCACCGTGTGATGGAGGCTGTCACTTGCC 668  
 QY 1043 CCAAGCTATCACTGCAAGTCTGGCTGTTCAGAAATAA 1083  
 Db 669 CACAGAAATTGTGCGCCGCGACTGCTGTCCCTTACTTA 709

## RESULT 9

US-10-007-521-23  
 : Sequence 23, Application US/10007521  
 : Publication No. US20030054539A1  
 : GENERAL INFORMATION:

APPLICANT: Schuelein, Martin  
 Lassen, Lene N.  
 Andersen, Soren F.  
 Kaupinen, Markus S.  
 Lange, Lene  
 Nielsen, Rudy I.  
 Ihara, Michiko  
 Takagi, Shinobu  
 TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases  
 NUMBER OF SEQUENCES: 109  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1  
 STREET: 405 Lexington Avenue, 64th Floor  
 CITY: New York  
 STATE: New York  
 COUNTRY: United States of America  
 ZIP: 10174-6401

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentin Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/10/007,521  
 FILING DATE: 10-Dec-2001  
 CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US/08/651,136  
 FILING DATE: 21-MAY-1996  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Lambirth, Elias J.  
 REGISTRATION NUMBER: 33, 728  
 REFERENCE/DOCKET NUMBER: 4366.200-US  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-867-0123  
 TELEFAX: 212-878-9655

INFORMATION FOR SEQ ID NO: 23:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 885 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: cDNA

FEATURE:  
 NAME/KEY: CDS  
 LOCATION: 1..882  
 SEQUENCE DESCRIPTION: SEQ ID NO: 23:  
 US-10-007-521-23

Query Match 15.5%; Score 168.4; DB 9; Length 885;  
 Best Local Similarity 57.7%; Pred. No. 2,1e-42;  
 Matches 367; Conservative 0; Mismatches 251; Indels 18; Gaps 3;

QY 446 CTGTGTGCTCTCGGTAATGTAATAACCACTGCTACTGAGATTGTGTAAGCTTCTT 505  
 Db 44 CTGCACTTAAGACCACTAGCGGCGCTGCAACACAGATCTGGGACTGTGCAAGCGTCTT 103  
 QY 506 GCAATGGCCCGGTAAGAGCTGATGTCACCTCCCTGTGTGGCTCTGTAACAAGATGTA 565  
 Db 104 GTGCTTGAAGGGGAAAGCATCCCTTTCGAAGCCCGTGGAACTTGAGCACTCAACGACA 163  
 QY 566 AGACTTGTGTATTAACAACACTCAAAACG---CTGTGTGTGTGTAGCAGTAACT 622  
 Db 164 ACGCCAGAGCGCGAGGAGATCTGCTCAAGTGTCTGTGATGGGCGAGCGCTACTACT 223  
 QY 623 GTAATGCAATCAACTTGGGTGTAGCAACGACTTGCCTTACGTTTCCGCTGCTT 682  
 Db 224 GCAAGCAACAGGGCCCATGGGCGCTGAACGACAGCTTTCCTACGCGCTGCGCGCA 283  
 QY 683 CCAATTTCTGTGTAGGAGAGCTACTGTGTGTGTGTGCTGTTCGAACCTCACTCACT 742  
 Db 284 AGCTTCGGAAGACAGAGACTGATTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 343  
 QY 743 CTACTGCGTCAAGGTAAGAAGTGTGTTCAAGTAACCAACACTGTTCTGACCTTG 802  
 Db 344 CCACCGCGGTTCCGGCAAGTAATGTGCAATCACAACACGGGCGGCACTCG 403  
 QY 803 GCTTAACTGCTGCTCACTTTGACTTGTGAATGCCCGGTGTGTGTGTATCTACA 862  
 Db 404 GCAACAC-----CACTTGACATGCCCATGCGGGGCGGCGCTGCGCATTTCA 454  
 QY 863 ATGTTGTGCACTCAATGGGGTGTCTCCACCATGTGTGGGGTGCAGAAATACGGCGTG 922  
 Db 455 ACGGCTGCTCCAGCAATGGAACCGCATCA-----TCTGGCAACCAAGTATGGCGCT 508  
 QY 923 TTCTTCTGCTGCTGACTGTTCTTAACCTTCTTCTGCTTCAAGCTGTGTAGTGA 982  
 Db 509 TCATGACCGCTCCGATGTGCCAGCTCCCGTCCAGTGGCAGCCAGCTGCAACTGCG 568  
 QY 983 GATTGCGTGTTCAAAACGCTGATTAACCAACATGACTTCAAAACAAAGTAACTGTG 1042  
 Db 569 GCTTGAAGTGTGAGATGCGACCAACCCACCGTGTGATGGAGCTGTCACTTGCC 628  
 QY 1043 CCAAGCTATCACTGCAAGTCTGGCTGTTCAGAA 1078  
 Db 629 CACAGAAATTGTGCGCCGCGACTGCTGTCCGTA 664

## RESULT 10

US-09-735-787-1  
 : Sequence 1, Application US/09735787  
 : Patent No. US20010036910A1  
 : GENERAL INFORMATION:

APPLICANT: Rasmussen, Grethe  
 Mikkelsen, Jan Moller  
 Schuelein, Martin  
 Patkar, Shankant A.  
 Hagen, Fred

TITLE OF INVENTION: A Cellulase Preparation Comprising an  
 Endoglucanase Enzyme  
 NUMBER OF SEQUENCES: 33  
 CORRESPONDENCE ADDRESSES:  
 ADDRESSEE: No. US20010036910A1o No. US20010036910A1disk of No. US20010036910A1  
 STREET: 405 Lexington Avenue, 64th Floor  
 CITY: New York  
 STATE: New York

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Page 8

COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/735,787  
FILING DATE: 13-Dec-2000  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 09/189,028  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 3469.214-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: Humicola insolens  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHEetical: NO  
ORIGINAL SOURCE:  
STRAIN: DSM 1800  
FEATURE:  
NAME/KEY: mat peptide  
LOCATION: 73..924  
FEATURE:  
NAME/KEY: sig peptide  
LOCATION: 10..72  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 10..924  
SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
US-09-735-787-1  
Query Match 14.9%; Score 161.8; DB 10; Length 1060;  
Best Local Similarity 58.7%; Pred. No. 2.7e-40;  
Matches 346; Conservative 0; Mismatches 222; Indels 21; Gaps 3;  
DB 458 CCGGTATGTTGAACAACACTGCTACTGGAATTTGTTAAGCTTCTTGCAGTTGGCCG 517  
71 CCGGTATGTTGAACAACACTGCTACTGGAATTTGTTAAGCTTCTTGCAGTTGGCCG 517  
DB 518 GTAAGCTGATGTCACCTCCCTGTTGCTCCCTGTAACAAGATGGTAGACTCTTGTG 577  
131 AGAAGCTCCCGGTAAACAGCTGCTTCTTCTGCAAGCAACTCCAGGCTATCAGG 190  
DB 578 ATAACAACACTCAAAAGGCTGTG---TTGTTGTAAGCACTACCTGTAATGCAATC 634  
191 ACTTGAGCCCAAGTCCGGCTGGAGCCGGCGGTGCGCTTCTGTCGCGCCGACAGA 250  
DB 635 AACCTTGGGTTGTAAGCAACACTTGCCTAAGCTTTGCGCGCTCCATTTCTG 694  
251 CCCCATGGGCTGTGAACAGCACTTGGCTGGGTTTTCGTCGCACTCATTTGCGGCA 310  
DB 695 GTAAGCACTACTGTTGTTGCTGCTGTTTGAATCACTTCACTTCACTGCGCTCA 754  
311 GCAATGAGCGGCTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 370  
DB 755 AGGTAAGAAGTGTGTTCAAGTAACCAACTGCTTCACTTGGCTTCAACTG 814  
371 CTGGCAAGAAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 426  
DB 815 GTGCTCACTTGACTTGAAGAATGCCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 874

DB 427 -----CACTTCGATCTCAACATCCCGGCGGCGCTGCGCATCTTCGACGATGCACTC 481  
CY 875 CTGAATGGGTGCTCCACCGATGTTGGGTTGCAAGATACGCGGCTGTTCTTCTGCT 934  
DB 482 CCGGCTGCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 532  
CY 935 CTGACTGTTCAACTCTTCTTCTGCTGCTTCAAGCTGTTTGAAGTGAATTCGCTGCT 994  
DB 533 ACAGTGCAGTTCGCTTCCCGACGCTTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 592  
CY 995 TCAAAAGCTGATTAACCAACCATGACCTACAAACAATTAATCTGCTGCT 1043  
DB 593 TCAAGACGCGCAATCCAGCTTCAAGCTTCCGCTCAAGTCCAGTCCGCC 641

RESULT 11  
US-10-007-521-21  
Sequence 21, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
Andersen, Lene N.  
Laessen, Soren F.  
Kauppinen, Markus S.  
Lange, Lene  
Nielsen, Ruby I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20030054539A1 No. US20030054539A1disk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent in Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-May-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lambiris, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366.200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 21:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1132 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 42..971  
SEQUENCE DESCRIPTION: SEQ ID NO: 21:  
US-10-007-521-21  
Query Match 14.9%; Score 161.6; DB 9; Length 1132;  
Best Local Similarity 56.0%; Pred. No. 3.3e-40;  
Matches 355; Conservative 0; Mismatches 264; Indels 15; Gaps 2;

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Qy 437 CCAGTCTCTGTTGAGTCCCTCCGTAATGTAACACACCTGCTACTGAGATGTTGTA 496
Db 76 CCGGTGTGCGCCGACAGCTCTGTGGACCGGCGCCGACACAGATACTGGAGCTGTGCA 135
Qy 497 AGCCTTCTGGAATGTCGGCCGTAAGGTATGTCACCTCCCTGTTGGCTCTGTACA 556
Db 136 AGCCGTCTGTGGGTGGAGCAAAAGGCTCCGTGAGCAACCCGTCAAGACGTGCGATA 195
Qy 557 AGATGTAAGACTCTTGTCTGATTAACAACACTCAAAAAGGCTGTTGTTGTTGAGCACT 616
Db 196 GGAACAACACCTCTGCGCTGACAGGCGCCAGAGCGGCTGCGATTCACAGCGCTGCGCT 255
Qy 617 ACACCTGTAATGACATCACTTGGGTTGTTAGGAGCACTTGTGCTTACGATTTGCGCG 676
Db 256 ACACGTGAAGATTAACAGCGCGTGGCTGTCAACGATTAACCTGGCTTAATGTTTGTGCTG 315
Qy 677 CTGCTTCAATTTCTGTTGTTAGCGAAGCTTACTGTTGTTGCTGTTGTAACACTACAT 736
Db 316 CCAGGCTTTCAAGTGTGATGAGGCGCAGCTGTGCTGTCTGCTATGCTCTTCACT 375
Qy 737 TCACCTTACTGCGCGTAAGGGTAAGAGATGTTGTTCAAGTAACCAACACTGTTCTG 796
Db 376 TCACCTCGCGCTGTTGGGAAAGACCATGTTGTCAGTCAACAAACACCGCGCG 435
Qy 797 ACCTTGTCTTACACATGCTGCTCACTTTGACTTGAATGCGGCTGTTGTTGTTGTA 856
Db 436 ACCTCAAGGCGAAC-----CACTTGAATCTCATGCTCGGCGCGCGCGCTGCGCA 486
Qy 857 TCTCAATGTTTGGTCCACTCAATGAGGCTGCTCCACCGATGTTGGGCTGCAAGATGCG 916
Db 487 TCTTCAAGGCTGCAACCGCGCAATGAGGCTGCAAGTCTCCCGAAACCGC-----TAGC 540
Qy 917 GCGGCTTCTTCTGCTCTGACTGTTTAACTTTCTTCTGCTTCTTCAAGCTGTTGTA 976
Db 541 GCGGACCAACAGCGCGACGCAAGCTGCTCCAAATCTTCCGCTCTGAGCGCGCTGCA 600
Qy 977 AGTGAATGTTGGCTGTTCAAAAACGCTGATTAACCAACCATGACTTAACAACAAGTTA 1036
Db 601 ACTGCGGTGATGACTGTTCAACGACGCGCAACCCGCAAGCTGTGTTGGGCGCGCTCC 660
Qy 1037 CTTGTCCCAAGCTATCACTGCTCAAGTTGCTG 1070
Db 661 AGTGCCTCGCGCACTACCGACCGCACCGGCTG 694

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RESULT 12

US-10-007-521-7

Sequence 7, Application US/10007521

Publication No. US20030054539A1

GENERAL INFORMATION:

APPLICANT: Schuelein, Martin

Anderseu, Lene N.

Lassen, Soren F.

Kauppinen, Markus S.

Lange, Lene

Nielsen, Rudy I.

Ihara, Michiko

Takagi, Shinobu

TITLE OF INVENTION: No. US20030054539A1 Endoglucanases

NUMBER OF SEQUENCES: 109

CORRESPONDENCE ADDRESS:

ADDRESS: No. US20030054539A1 No. US20030054539A1disk of No. US200300545

STREET: 405 Lexington Avenue, 64th Floor

CITY: New York

STATE: New York

COUNTRY: United States of America

ZIP: 10174-6401

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

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APPLICATION NUMBER: US/10/007,521
FILING DATE: 10-Dec-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/651,136
FILING DATE: 21-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Lambirth, Elias J.
REGISTRATION NUMBER: 33,728
REFERENCE/DOCKET NUMBER: 4366,200-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-867-0123
TELEFAX: 212-878-9655
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 1154 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 51..935
SEQUENCE DESCRIPTION: SEQ ID NO: 7:
US-10-007-521-7
Query Match 14.9% Score 161.6; DB 9; Length 1154;
Best Local Similarity 56.0%; Pred. No. 3.3e-40;
Matches 355; Conservative 0; Mismatches 264; Indels 15; Gaps 2;
Qy 437 CCAGTCTCTGTTGAGTCCCTCCGTAATGTAACACACCTGCTACTGAGATGTTGTA 496
Db 85 CCGGTGTGCGCCGACAGCTCTGTGGACCGGCGCCGACACAGATACTGGAGCTGTGCA 144
Qy 497 AGCCTTCTGGAATGTCGGCCGTAAGGTATGTCACCTCCCTGTTGGCTCTGTACA 556
Db 145 AGCCGTCTGTGGGTGGAGCAAAAGGCTCCGTGAGCAACCCGTCAAGACGTGCGATA 204
Qy 557 AGATGTAAGACTCTTGTCTGATTAACAACACTCAAAAAGGCTGTTGTTGTTGAGCACT 616
Db 205 GGAACAACACCTCTTGTGCGCGCGCTGAGCGGCTGCAACCGCGCTTGAT 264
Qy 617 ACACCTGTAATGACATCACTTGGGTTGTTAGCGACGACTTGGCTTACGTTTTCGCG 676
Db 265 TCACCTGCAACGACACAGCTTGGGCGCGTAACCAACATGTCGCTACGCTTTTGGCG 324
Qy 677 CTGCTTCAATTTCTGTTGTTAGCGAAGCTTACTGTTGTTGCTGTTTGAACACTACAT 736
Db 325 CTACCGCTTCTGTTGTTGTTAGCGGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 384
Qy 737 TCACCTTACTGCGCTCAAGGTTAAGAGATGTTTTCACAGTAAACCAACCTGTTCTG 796
Db 385 TCACATCCGCGCTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 444
Qy 797 ACCTTGTCTTAACTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTG 856
Db 445 ATCT-----CAGCGGCACTACTTCAATTCAGATGCCGCTGAGAGTCTCGGCA 495
Qy 497 AGTGAATGTTGGCTGTTCAAAAACGCTGATTAACCAACCATGACTTAACAACAAGTTA 1036
Db 610 ACTGCGGTGATGACTGTTCAACGACGCGCAACCCGCAAGCTGTAACCTGAGCGCGCTCC 669
Qy 1037 CTTGTCCCAAGCTATCACTGCTCAAGTTGCTG 1070
Db 670 GATGCCGCGCGCGCTCAACGACCGCTCGGCTG 703

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RESULT 13  
US-10-007-521-15  
Sequence 15, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kaupinen, Markus S.  
Lange, Lene  
Nielsen, Rudy I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Landitis, Elias J.  
REGISTRATION NUMBER: 33,728  
REFERENCE/DOCKET NUMBER: 4366,200-US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-867-0123  
TELEFAX: 212-878-9655  
INFORMATION FOR SEQ ID NO: 15:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 808 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 37..714  
SEQUENCE DESCRIPTION: SEQ ID NO: 15:  
US-10-007-521-15  
Query Match 14.8%; Score 159.8; DB 9; Length 808;  
Best Local Similarity 54.9%; Pred. No. 1e-39;  
Matches 364; Conservative 0; Mismatches 287; Indels 12; Gaps 2;

QY 421 GCTTCATCAAACTACCTCCGCTCTCTCTGCTGCTCCCGCTTAATGCTGAACCACTCCGCGC 480  
DB 67 GCTTCATCAAACTACCTCCGCTCTCTCTGCTGCTCCCGCTTAATGCTGAACCACTCCGCGC 126  
QY 481 TACTGGATTGTTTAAAGCTTCTTGCAAGTGGCCCGGTAAGGCTGATGACCTCCCTC 540  
DB 127 TACTGGATTGTTTAAAGCTTCTTGCAAGTGGCCCGGTAAGGCTGATGACCTCCCTC 186  
QY 541 GTTGCTCTCTTAACAAGATGTAAGACTCTTGCTGATTAACAACAACCTGAAAACGCTGT 600  
DB 187 GTTCAAGCTTGTGATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAATGTAAT 246  
QY 601 GTTGTGTGTGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGACGAC 660

DB 247 AGCGGTGAAACGTCATTCATTCCTGCGAACAATGCTCATTCATTCGATTAACAATACAT 306  
QY 661 GCTTAAGCTTTGCGCGCTGCTTCATTTCTGCTGATGACGAAGCTACTGCTGCTGCTG 720  
DB 307 GCATATGCTTTTGTGCGACGCCACTTAAGCGGCTCTTACGAAAGGACGCTGCTGCTG 366  
QY 721 TGTTCGAACACATTCATTCATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 780  
DB 367 TGTTCGAACATTCATTCATTCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 426  
QY 781 ACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 840  
DB 427 ACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 477  
QY 841 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 900  
DB 478 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 535  
QY 901 TGGGTGCAAGATACGCGCGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 960  
DB 536 GGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 594  
QY 961 CTTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1020  
DB 595 GTTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 654  
QY 1021 ACTTCAAAACAAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1080  
DB 655 ACTTCAAAACAAGTACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 714  
QY 1081 TAA 1083  
DB 715 TGA 717

RESULT 14  
US-10-007-521-19  
Sequence 19, Application US/10007521  
Publication No. US20030054539A1  
GENERAL INFORMATION:  
APPLICANT: Schuelein, Martin  
Andersen, Lene N.  
Lassen, Soren F.  
Kaupinen, Markus S.  
Lange, Lene  
Nielsen, Rudy I.  
Ihara, Michiko  
Takagi, Shinobu  
TITLE OF INVENTION: No. US20030054539A1e1 Endoglucanases  
NUMBER OF SEQUENCES: 109  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: No. US20030054539A1o No. US20030054539A1disk of No. US20030054539A1  
STREET: 405 Lexington Avenue, 64th Floor  
CITY: New York  
STATE: New York  
COUNTRY: United States of America  
ZIP: 10174-6401  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/007,521  
FILING DATE: 10-Dec-2001  
CLASSIFICATION: <Unknown>  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US/08/651,136  
FILING DATE: 21-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Landitis, Elias J.  
REGISTRATION NUMBER: 33,728



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Db      343 TCCTACGAATTGACGTTTACGAGTGGAGCCCGTAGTTGGGAGAAAGAACTGACCGTTCAAGTC 402
Qy      781 ACCAACACTGTTCTGACCTTGCTCTAACAAGTGTGCTCACTTTGACTTGCMAATGCCC 840
Db      403 ACAACACGCGGAGGTGACCTCGGAATTA-----TCATTGACCTGATGATCCC 453
Qy      841 GGTGGTGGTGGTGTATCTACAATGTTGTGCCACTCAATGGGGTGTCTCCACCGATGT 900
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Qy      901 TGGGGTGCAAGATACGGCGGTGTCTTCTGTGCTCTGACTGTTCTAACCTTCTTGTGC 960
Db      512 -GGGGTGTCAATACGGGGGTGTGTCCAGCCGTGACCAATGCTCCCACTTCCAGCAGCT 570
Qy      961 CTTCAAGCTGTGTGTAGTGAAGATTCGGCTGTTCAAAAAGCTGATTAACCAACATG 1020
Db      571 GTGCAGCTGGAGTGTCAATTCGTTTGTGAGTGGGTGGCGCGATTAACCCCAAGTC 630
Qy      1021 ACCTACAAACAAGTTACTGTCCCAAGCTATCATGCGCAAGTGTGGCTGTTCAGAAAA 1080
Db      631 ACCTTCGACCTGTGACCTGCGCAGGCGAGCTCATATATCTCGGGGTGTGTGTAAA 690
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Job time : 154.752 secs